CUBIT Capability Proposal

Technical Area Geometry, Meshing, Infrastructure, GUI, Graphics, etc..	**Technical Lead** Cubit Developer in charge of technical area
Infrastructure	Ray

MRD Description
Describe the capability in terms of how a user would see it.

The user would no longer need to know about FullHexes and when/how to use them.

SRS Description
What needs to be done by Cubit developers to implement this capability? Break the tasks into steps if applicable. (Steps should be on the order of 2 man-weeks or more)

1. Remove FullHexes from command structure and user knowledge
2. Move FullHex use to private-only
3. Remove FullHex as a CubitHex and from knowledge of mdb directory

Justification
Describe why this is important and what impact it will have if it is implemented. (or not implemented).

Simplifies maintenance of Cubit and removes multiple code paths from mesh data handling routines. These and similar changes will free up more time in the future for code development.

Resources Who will work on this	**Time estimate** How much time will it take in man-weeks	**Targeted Release** 10.2 (August 06), 10.3 (March 2007), 10.4 (August 2007), Future (beyond FY07)
1. Ray or Clint 2. Ray or Matt 3. Ray	2 6 3	10.2

Submitted By:	**Date:**
Ray	27 March, 2006